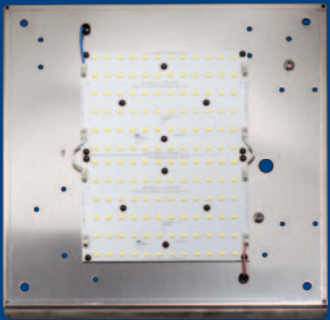


ENERGY SAVING
LOWER OWNERSHIP COST
EFFICIENT
SAFE ILLUMINATION
RELIABLE, DEPENDABLE
EASY INSTALLATION



LED Luminaire Retrofit

WF Harris Lighting, Inc.™

LED LUMINAIRE RETROFIT

Model LED-030RET-1K Retrofit 1K LEDs, Pan and Driver Assembly

Efficient, effective, and safe illumination. When housed in a watertight Lens and Housing manufactured by W. F. Harris Lighting, the Model 30 Retrofit LED-030RET-1K can be used in wet location applications. The Retrofit LEDs carry a ten-year warranty when the luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity. High quality LEDs and Driver further enhance reliability and durability while reducing power consumption.

Retrofitting an existing Model 30 luminaire is an easy installation. A licensed electrician simply removes the Lens and Base Plate, replaces the existing Base Plate with the rustproof Base Plate upon which is mounted the LED array and Driver, then re-attaches the Lens. Retrofitting an existing Model 30 luminaire will require obtaining a W. F. Harris Lighting Model 30 Housing, unless one is already attached.

Ideally suited in applications for building interiors and exteriors, walkways, ceilings and walls in grocery stores, hospitals, schools, universities, military installations and government installations, and other areas needing highly vandal resistant and reliable illumination.

LEDs contain no mercury and emit no ultraviolet light.

LEDs will not break, unlike conventional lamps, if luminaire is dropped.



Specifications

Base Plate: Rustproof .063" 5052 H-32 tempered marine-grade aluminum.

LEDs: High Quality Lighting Grade LEDs
Standard Color Temperature 5000K (Also available at special request from 2700K to 5000K)
Net Lumens = 1200
Must be used with W. F. Harris Lighting Housing. Warranted for ten (10) years when luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity.

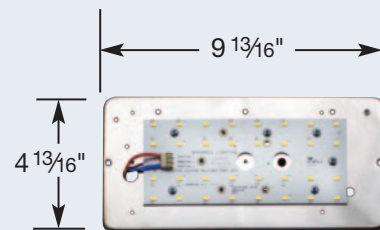
LED Life: Lumen Maintenance (TM-21-11 70% Projection)
127,000 Hrs (25°C/77°F) = 15 years of 24/7 LED life
95,000 Hrs (50°C/122°F) = 11 years of 24/7 LED life
Calculations Based on US Department of Energy Worksheet. DOETM-21-11, 70%.

Driver: High Quality Driver
AC Input: 120V-277V, 50/60Hz
Power = 20 W at 350 mA Efficacy = 60 Lm/W



Complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.

Warranted for five (5) years by Driver manufacturer.



TAA COMPLIANT
TRADE AGREEMENT ACT COMPLIANT

**SBA QUALIFIED
SMALL BUSINESS MANUFACTURER**



ETL-US and ETL-C Listed for Wet Location Applications (UL1598 for Non-Emergency Operation)
CSA Canadian Standards Certified
LM-79 and LM-80 Test Data Available

W.F. Harris Lighting, Inc.™
Innovative Lighting Designs Since 1970

www.wfharrislighting.com

LED LUMINAIRE RETROFIT

Model LED-080RET-2K4 Retrofit 2K4 LEDs, Pan and Driver Assembly

Efficient, effective and safe illumination. When housed in a water-tight housing manufactured by W. F. Harris Lighting, the Model 80 Retrofit LED-080RET-2K4 can be used in wet location applications. The Retrofit LEDs carry a ten-year warranty when the luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity. High quality LEDs and Driver further enhance reliability and durability while reducing power consumption.

Retrofitting an existing Model 80 luminaire is an easy installation. A licensed electrician simply removes the Lens and Base Plate, replaces the existing Base Plate with the rustproof Base Plate upon which is mounted the LED array and Driver, then re-attaches the Lens. Retrofitting an existing Model 80 luminaire will require obtaining a W. F. Harris Lighting Model 80 Housing, unless one is already attached.

Ideally suited in applications for building interiors and exteriors, walkways, ceilings and walls in grocery stores, hospitals, schools, universities, military installations and government installations, and other areas needing highly vandal resistant and reliable illumination.

LEDs contain no mercury and emit no ultraviolet light.

LEDs will not break, unlike conventional lamps, if luminaire is dropped.

Specifications

Base Plate: Rustproof .063" 5052 H-32 tempered marine-grade aluminum.

LEDs: High Quality Lighting Grade LEDs
Standard Color Temperature 5000K (Also available at special request from 2700K to 5000K)

Net Lumens = 2424

Must be used with W. F. Harris Lighting Housing. Warranted for ten (10) years when the luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity.

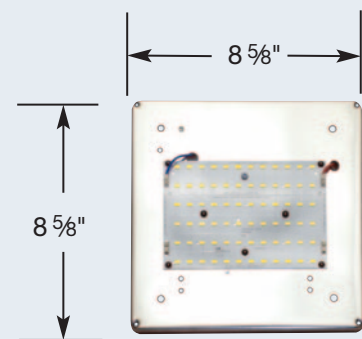
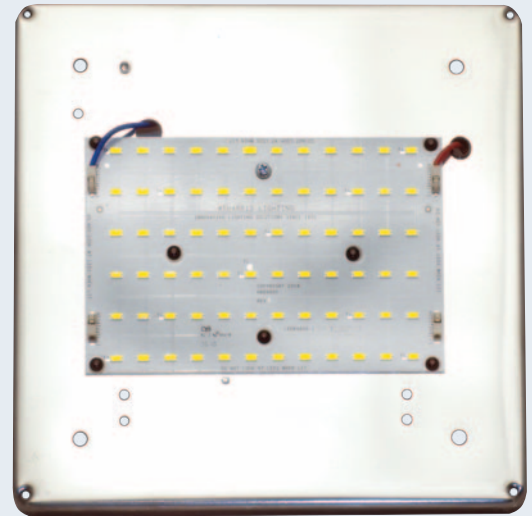
LED Life: Lumen Maintenance (TM-21-11 70% Projection)
410,000 Hrs (25°C/77°F) = 47 years of 24/7 LED life
148,000 Hrs (50°C/122°F) = 17 years of 24/7 LED life
Calculations Based on US Department of Energy Worksheet.
DOE TM-21-11, 70%.

Driver: High Quality Driver
Class 2 Power Supply.
AC Input 120-277V, 50/60Hz.
Power = 20W at 500 mA Efficacy = 121.2 Lm/W



Complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.

Warranted for five (5) years by Driver manufacturer.



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ETL-US and ETL-C Listed for Wet Location Applications (UL1598 for Non-Emergency Operation)
CSA Canadian Standards Certified
LM-79 and LM-80 Test Data Available

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www.wfharrislighting.com

LED LUMINAIRE RETROFIT

Model LED-300RET-1K

Retrofit 1K LEDs, Pan and Driver Assembly

Efficient, effective, and safe illumination. When housed in a watertight housing manufactured by W. F. Harris Lighting, the Model 300 Retrofit LED-300RET-1K can be used in wet location applications. The Retrofit LEDs carry a ten-year warranty when the luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity. High quality LEDs and Driver further enhance reliability and durability while reducing power consumption.

Retrofitting an existing Model 300 luminaire is an easy installation. A licensed electrician simply removes the Lens and Base Plate, replaces the existing Base Plate with the rustproof Base Plate upon which is mounted the LED array and Driver, then re-attaches the Lens. Retrofitting an existing Model 300 luminaire will require obtaining a W. F. Harris Lighting Model 300 Housing, unless one is already attached.

Ideally suited in applications for building interiors and exteriors, walkways, ceilings and walls in grocery stores, hospitals, schools, universities, military installations and government installations, and other areas needing highly vandal resistant and reliable illumination.

LEDs contain no mercury and emit no ultraviolet light.

LEDs will not break, unlike conventional lamps, if luminaire is dropped.

Specifications

Base Plate: Rustproof .080" 5052 H-32 tempered marine-grade aluminum.

LEDs: High Quality Lighting Grade LEDs
Standard Color Temperature 5000K (Also available at special request from 2700K to 5000K)

Net Lumens = 1100

Must be used with W. F. Harris Lighting Housing. Warranted for ten (10) years when luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity.

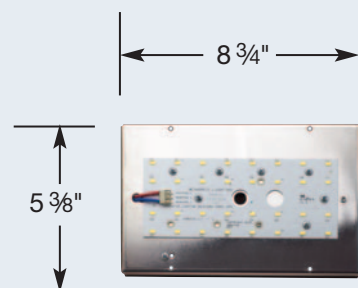
LED Life: Lumen Maintenance (TM-21-11 70% Projection)
127,000 Hrs (25°C/77°F) = 15 years of 24/7 LED life
95,000 Hrs (50°C/122°F) = 11 years of 24/7 LED life
Calculations Based on US Department of Energy Worksheet. DOETM-21-11, 70%.

Driver: High Quality Driver
AC Input: 120V-277V, 50/60Hz
Power = 20 W at 350 mA Efficacy = 55 Lm/W



Complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.

Warranted for five (5) years by Driver manufacturer.



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ETL-US and ETL-C Listed for Wet Location Applications (UL1598 for Non-Emergency Operation)
CSA Canadian Standards Certified
LM-79 and LM-80 Test Data Available

LED LUMINAIRE RETROFIT

Model LED-1200RET-4K Model LED-1200RET-5K

Retrofit 4K LEDs, Pan and Driver Assembly
Retrofit 5K LEDs, Pan and Driver Assembly

Efficient, effective, and safe illumination. When housed in a watertight housing manufactured by W. F. Harris Lighting, the Retrofit Kit LED-1200RET-4K and the LED-1200RET-5K can be used in wet location applications. The Retrofit LEDs carry a ten-year warranty when the luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity. High quality LEDs and Driver further enhance reliability and durability while reducing power consumption.

Retrofitting an existing Model 1200 luminaire is an easy installation. A licensed electrician simply removes the Lens and Base Plate, replaces the existing Base Plate with the rustproof Base Plate upon which is mounted the LED array and Driver, then re-attaches the Lens. Retrofitting an existing Model 1200 luminaire will require obtaining a W. F. Harris Lighting Model 1200 Housing, unless one is already attached.

These luminaires are ideal for normal and challenging locations requiring rugged, corrosion-resistant, brilliant and dependable lighting sources such as in coastal areas, municipalities, schools and universities, military and office buildings, hotels and motels, apartments and condominiums, government installations, and other areas needing highly vandal resistant and reliable illumination.

LEDs contain no mercury and emit no ultraviolet light.
LEDs will not break like all other lamps if the luminaire is dropped.

Specifications

Base Plate: Rustproof .080" 5052 H-32 tempered marine-grade aluminum.

LEDs: High Quality Lighting Grade LEDs
Standard Color Temperature 5000K (Also available at special request from 2700K to 5000K)
LED-1200RET-4K Lumens: 4,000
LED-1200RET-5K Lumens: 5,000
Must be used with W. F. Harris Lighting Lens and Housing. Warranted for ten (10) years when the luminaire in which they are housed is mounted correctly so that water cannot penetrate the cavity.

LED Life Lumen Maintenance (TM-21-11 70% Projection)
LED-1200RET-4K 96,000 Hrs (25°C/77°F) = 11 years of 24/7 LED life
LED-1200RET-5K 305,000 Hrs (25°C/77°F) = 35 years of 24/7 LED life
Calculations Based on US Department of Energy Worksheet.
DOE TM-21-11, 70%.

Driver: High Quality Driver
Class 2 Power Supply. AC Input: 120-277V
LED-4K Power = 40 W at 1050 mA Efficacy = 100 Lm/W
LED-5K Power = 40 W at 1050 mA Efficacy = 125 Lm/W



Complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.
Warranted for five (5) years by Driver Manufacturer.



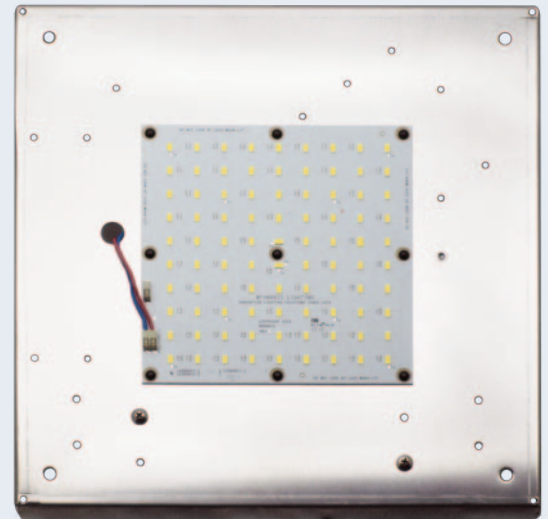
MADE IN AMERICA

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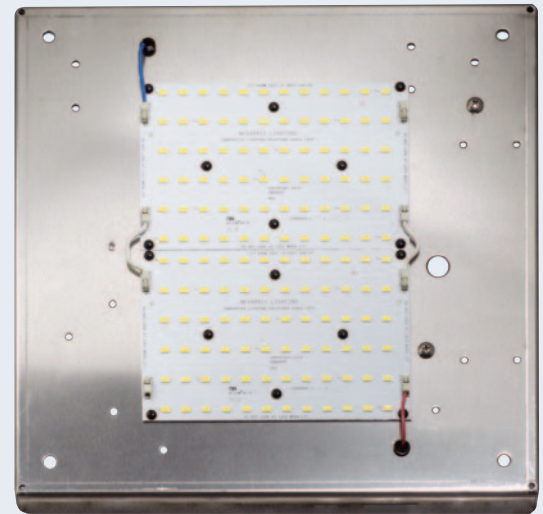
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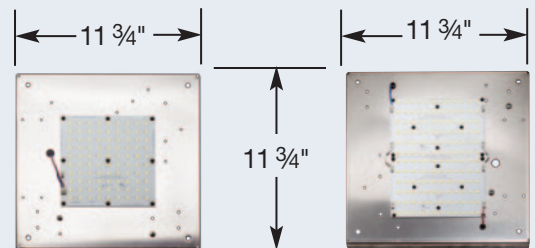
ETL-US and ETL-C Listed for Wet Location Applications (UL1598 for Non-Emergency Operation)
CSA Canadian Standards Certified
LM-79 and LM-80 Test Data Available



LED-1200RET-4K



LED-1200RET-5K



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Look for other rustproof, vandal resistant, nonconductive, energy efficient products on our website at www.wfharrislighting.com or have your W. F. Harris Lighting Sales Representative or Distributor demonstrate how W. F. Harris Lighting can meet your illumination requirements.

What Kind Of Luminaire Do You Need? We Can Help!

- | | | | |
|------------------|----------------------|--------------------------|------------|
| Worklights | Wallpacks | LED • FL • HID | Decorative |
| Floodlights | Linear/Rough Service | High Abuse | Spotlights |
| High Bay/Low Bay | Indoor/Outdoor | Lighting with Graphics | |
| Landscape | Wall/Ceiling | Emergency/Battery Backup | |

What Location Requirements or Applications Can Our Products Satisfy?

- | | | |
|---|--------------------------------------|-------------------------------|
| Schools and Universities | Hotels and Motels | Restaurants and Food Industry |
| Warehouses and Manufacturing Facilities | Farms and Agricultural Buildings | Boat, Yacht and Ship Lighting |
| Military Housing and Field Units | Marine Warfs and Piers | Beach and Coastal Lighting |
| Boat/Shipbuilding, Repair and Maintenance | Marinas and Boathouses | Commercial, Industrial and |
| Environmentally Responsible Lighting | Freezer and Cold Storage Facilities | Residential Lighting |
| Motor Transport Repair and Maintenance | Hospitals and Health Care Facilities | Naval Military Specification |
| Aviation Production, Repair and Maintenance | Condominiums and Apartments | and Emergency Lighting |

Please note: Technology on Battery Pack Systems is progressing quickly. Please contact us for latest product availability.



In Business Since 1970!



W_FHarris Lighting, Inc.™

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